A B S T R A C T

The invention relates to a device for effecting radiation treatment of benign or malign prostate hyperplasia in a prostate of a human male having a bladder with a base and a penis with an urethra having an urethral wall extending from the base of the bladder through the prostate, said device comprising: a catheter probe having an elongated body with a circumferential surface, a distal end and a proximal end, which catheter probe is to be inserted with its proximal end within the urethra towards the prostate; said elongated body of said catheter probe having a longitudinal bore extending from said distal end towards at least one outlet opening present in said circumferential surface near said proximal end; a catheter tube having a distal end and a proximal sharp end, which catheter tube is to be inserted with its proximal sharp end through said longitudinal bore of said elongated body, said outlet opening and through said urethral wall towards at least one desired location within the prostate to be treated; and means for delivering a certain pre-planned amount of radiation energy via said catheter tube near or at said at least one location within said prostate for effecting said radiation treatment.

It is an object of the invention to provide an urethral insertion probe which allows a quick and more accurate positioning of the catheter probe and the catheter tube relative to the prostate without discomforting the patient. According to the invention said catheter probe is movable accommodated within an urethral probe to be inserted within said urethra.